SPEC CFP95rate Results

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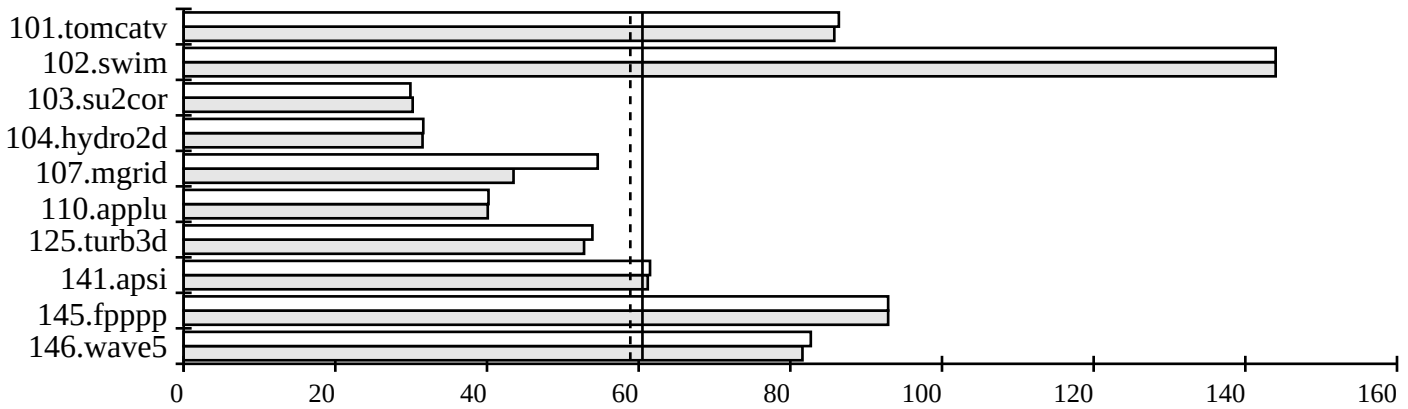
Hewlett-Packard
HP 9000 Model D320

SPECfp_rate95	=	60.5
SPECfp_rate_base95	=	58.9

SPEC license # 3	Tested By: HP Cupertino, CA	Test Date: Nov-96	Hardware Avail: Mar-97	Software Avail: Jul-96



Hardware/Software Configuration for:
HP 9000 Model D320

Hardware

Model Name:	HP 9000 Model D320
CPU:	132 MHz PA-RISC 7300LC
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	64KBI+64KBD on-chip
Secondary Cache:	1MB(I+D) off-chip
Other Cache:	None
Memory:	128MB
Disk Subsystem:	1 Fast/Wide SCSI-2 1.0 GB
Other Hardware:	None

Software

Operating System:	HP-UX B.10.20
Compiler:	HP FORTRAN B3906AA B.10.20.01
File System:	HP-UX
System State:	Multi-user

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
101.tomcatv	1	388	85.8	1	386	86.4
102.swim	1	537	144	1	539	144
103.su2cor	1	417	30.2	1	422	29.9
104.hydro2d	1	686	31.5	1	683	31.6
107.mgrid	1	518	43.5	1	412	54.6
110.applu	1	494	40.1	1	492	40.2
125.turb3d	1	698	52.8	1	685	53.9
141.apsi	1	309	61.2	1	308	61.5
145.fpppp	1	930	92.9	1	930	92.9
146.wave5	1	331	81.6	1	327	82.7
SPECfp_rate_base95 (G. Mean)			58.9			
SPECfp_rate95 (G. Mean)						60.5

Notes/Tuning Information

```
Base Flags:
All:  +Oall
Linker Flag:  All: -Wl, -aarchive

Peak Flags:
101: +Oall +Oloop_unroll +Onolimit +Oregionsched +Ovectorize +I/+P
102: +Oall +Ocache_pad_common +Ofltacc +Oinline_budget=256000 +Olibcalls +Oloop_transform
.    +Onofastaccess +Onoinitcheck +Onoloop_unroll +Onosize +Oregionsched +I/+P
103: +Oall +Ofastaccess +Olibcalls +Oloop_unroll +Onofltacc +Onolimit +I/+P
104: +Oall +Oloop_unroll +Owhole_program_mode +I/+P
107: +O3 +Oinline_budget=256000 +Oloop_unroll +Onofltacc +Onolimit
110: +Oall +Onofastaccess
125: +O3 +Olibcalls +Onofltacc +Onolimit +Onoloop_unroll
141: +Oall +Onofastaccess
145: +Oall
146: +O3 +Olibcalls +Oloop_unroll +Onofltacc +Onolimit
Linker Flag:  All: -Wl, -aarchive

Note: The +I/+P indicates the use of profile based optimization.
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